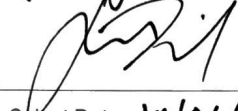


Practical Task 1	
These tasks may be simulated or real. The Participant is to gather evidence of how they have completed each component of the Practical Task, which is to be submitted with this Practical Assessment sheet. The Observer is to provide detailed comments on the tasks completed by the Participant (on the Observer Comments, overleaf). The Assessor is to verify the Observer's comments, noting their findings in the Assessor Comments (on the back of the Practical Assessment cover page) and provide the assessment outcome.	
Resources required: Access to: relevant current government building and construction and WHS legislation; The NCC, and other relevant industry and Australian codes and standards; environmental requirements and sustainability principles; Manufacturer's materials and product ``s and installation instructions for building materials in the project specifications; Project plans, design brief, working drawings and specifications.	
Observer details	
Name of observer:	JACKSON BAILEY
Role of observer (Confirm suitability to sign)	Project Manager
Email address of observer	jbailey@berixvatpac.com
Signature of observer:	
Date:	Select Date. 10/06/2024

When completing the task, did the Participant:	Tick if satisfactorily completed. Provide comments if left unticked.
1 Apply structural principles to the planning of a construction project	
1.1A. Determine structural principles applicable to the construction of the large, high-rise or complex structure	☒
1.1B. Document the performance characteristics required of structural elements of the project. (attach copy or screenshot)	☒ Documented by engineer.
1.1C. Document performance of materials in the building plan as part of the schedule and requirements. (attach copy or screenshot)	☒ Construct only contract.
2 Coordinate and manage the site assessment and job set-up.	
1.2A. Organise site and soil assessment.(attach copy)	☐ Carried out prior to works.
1.2B. Confirm and schedule the instalment of retaining walls to meet legislated requirements.	☒
1.2C. Determine and schedule the requirements for temporary structural elements.	☒
1.2D. Use digital tools and devices to communicate and collaborate effectively with others	☒
1.2E. Use equipment and programs to access, extract information and develop relevant documentation	☒
3 Coordinate and manage construction of footing systems.	
1.3A. Coordinate the set-out of the building in accordance with documented building plans, following the full assessment of the site.	☒
1.3B. Assess structural performance of the footings specified in the building plan for compliance with relevant codes and accepted industry construction structural principles.	☒
1.3C. Lay footings, as specified in the building plan, and check for compliance with standards and accepted industry construction principles.	☒
1.3D. Plan, implement and check damp coursing and the provision of termite barriers and other relevant techniques in accordance with codes, standards and industry practice.	☒

When completing the task, did the Participant:	Tick if satisfactorily completed. Provide comments if left unticked.
4 Coordinate and manage structural elements of the construction process	
1.4A. Identify and analyse technical construction principles and performance characteristics of construction materials in the planning of project.	☒
1.4B. Determine, schedule and check processes for construction of all structural elements for compliance with manufacturer specifications and relevant Australian Standards and codes.	☒
1.4C. Confirm building plans and relevant standards and schedule appropriate allowances for plumbing, electrical conduits and other services to be installed.	☒
5. Analyse and plan for structural integrity of buildings	
1.5A. Consult and coordinate professional input to evaluate structural integrity of large and complex buildings	☒
1.5B. Consult effectively with industry professionals, and use relevant industry terminology and concepts	☒
1.5C. Assess structural requirements and loads of the building design.	☒
1.5D. Analyse the effects of force and movements on structural elements.	☒
1.5E. Analyse properties and behaviours of structural materials.	☒
1.5F. Analyse section properties of structural elements using standard industry formulas and performance comparisons.	☒
1.5G. Evaluate performance characteristics of columns using standard industry techniques.	☒
1.5H. Assess methods used for stress distribution in connections between structural elements.	☒
1.5I. Assess impact of various loads on the building structure.	☒
1.5J. Consider design impact of high-performance structural elements.	☒
1.5K. Select, position and size all structural members that form fixed or temporary building structures	☒
1.5L. Identify typical faults and problems and the action required to rectify such faults.	☒